

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP 03/08066

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B63B27/10 B63B35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 097 786 A (SHEFFIELD WOODROW W) 24 March 1992 (1992-03-24)	1-4, 7, 8, 10-12
Y	abstract; figures 3-8 column 4, line 53 -column 7, line 48 ---	5, 6, 9
X	US 4 683 832 A (DYSARZ EDWARD D) 4 August 1987 (1987-08-04)	1, 3, 4, 6-8, 10-12
	abstract; figures column 3, line 62 -column 5, line 64 ---	
Y	US 6 082 947 A (ADAMSON JAMES E) 4 July 2000 (2000-07-04)	6, 9
	abstract; figures column 1, line 5-45 ---	

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

22 October 2003

Date of mailing of the international search report

04/11/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>US 3 633 369 A (LAWRENCE JOSEPH BENTON) 11 January 1972 (1972-01-11) abstract; figures 1,3,6 column 4, line 40-43 -----</p>	5

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5097786	A	24-03-1992	AU 4415489 A GB 2252996 A ,B NO 911124 A WO 9003470 A2	18-04-1990 26-08-1992 22-05-1991 05-04-1990
US 4683832	A	04-08-1987	NONE	
US 6082947	A	04-07-2000	NONE	
US 3633369	A	11-01-1972	NONE	

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